

[illegible]

A graft for repairing defects in arteries is formed from a flexible graft and at least one attachment system. A device and method is disclosed for implanting a graft within the vasculature of a patient, in which the graft is inserted into the patient at a different stage than the attachment systems, and which allows for direct percutaneous insertion of the graft and attachment systems. The method permits control over the position of the graft in the vasculature during the course of deployment of the graft and attachment systems by providing for traction forces to be applied to opposing ends of the graft.